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Model #: SM3000RMNAFTA

Smart Pro 2U Rack/Tower Extended Run UPS - NAFTA assembled version of SMART3000RM2U

Highlights

- 3000VA 120V 60Hz Sine Wave 2U Expandable Rack/Tower UPS
- Battery Independent, Dual Boost AVR Corrects Brownouts to 79V and Overvoltages to 147V
- Multiple interfaces - 2 USB, 2 DB9 and SNMPWEBCARD Slot
- Integrated Switched PDU with Current Monitoring and 3 Controllable Load Banks
- 9 Outlets (4 5-15R / 4 5-15/20R / 1 L5-30R), NEMA L5-30P input (5-20P included)
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

3000VA line interactive UPS for server, network and telecommunications equipment/2U rackmount form factor/Corrects brownouts and overvoltages from 79 to 147/Sine wave output/Uninterruptible Power Supply (UPS) maintains battery derived AC output during blackouts and severe voltage fluctuations/Expandable runtime with optional external battery packs/9 output receptacles/NEMA L5-30P input plug, NEMA 5-20P replacement plug included/Network-grade AC surge and noise suppression/Network management interfaces include 2 USB ports, 2 DB9 serial ports and SNMPWEBCARD slot/Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all 5 network interfaces at once/Includes PowerAlert monitoring software and complete cabling/Emergency Power Off (EPO) interface/Integrated 3 bank switched PDU/3 stage metered current monitoring and battery charge LEDs/Mains power and voltage regulation LEDs/Audible alarm/Self-test/4 post rack mounting accessories/2-9USTAND and 2POSTRMKIT accessories available/Field replaceable, hot swappable internal batteries and battery packs/Attractive all-black UPS design/Two year warranty with $250,000connected equipment insurance/Extended warranty and service contracts available

Applications

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- SM3000RMNAFTA
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount installation
- Warranty information
- Instruction manual

Features

- 3000VA / 2250 watt output power capacity compatible with North American 120V / 60Hz power
- 2U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 18 inches
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line interactive Automatic Voltage Regulation (AVR) corrects inputs from 79-147VAC back to usable 120V levels without consuming battery power

- Dual boost AVR circuits boost undervoltages by 14% or 24% depending on the severity and reduces overvoltages by 12%
- Network interfaces support simultaneous communications via 2 USB, 2 DB9 serial and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, internal UPS temperature, AC line frequency, timed inverter shutoff, activate self-test and load bank output power control
- Built in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery modes
- Expandable runtime with optional battery packs â" BP48V24-2U (limit 1) and BP48V60RT-3U (multi-pack compatible)
- Half load runtime of 11 minutes (1125 watts)
- Full load runtime of 4 minutes (2250 watts)
- Includes 9 output receptacles arranged in 3 load banks (4 NEMA 5-15R / 4 NEMA 5-15/20R / 1 NEMA L5-30R)
- Ships with NEMA L5-30P input plug, user installable NEMA 5-20P replacement plug included
- Integrated 3 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included UPSRMRII adjustable mounting rails support installation in 19 inch racks with a front-to-rear depth of 23.5 and 36.5 inches (add a 2nd UPSRMRII accessory to extend the reach to 35.25 to 49.5 inches)
- UPS ships fully assembled in full compliance with DOT regulations, no time consuming connection of internal batteries by user required
- Supports 2 post rackmount and wallmount installation with optional 2POSTRMKITWM accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Emissions) listed
- 2 year manufacturer's product warranty, $250,000 Ultimate Lifetime Insurance

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60 Hz
OUTPUT	
Output VA	3000
Output watts	2250
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%
Outlet quantity / type	4 NEMA 5-15R, 4 NEMA 5-15/20R and 1 NEMA L5-30R
Customized load management receptacles	3 single outlet load banks with integraded switched PDU supports load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
Overload protection	Resettable circuit breaker
INPUT	
Maximum input amps	24A
Input connection type	NEMA L5-30P (includes user installable NEMA 5-20P replacement plug)
Input cord length	10 ft., 10 gauge
Recommended Electrical Service	30A 120V
BATTERY	

Full load runtime	4 minutes (3000VA)
Half load runtime	11 minutes (1500VA)
Expandable battery runtime	Supports extended runtime with optional external battery packs BP48V242U (limit 1) and BP48V60RT3U (multi-pack compatible)
DC system voltage	48V DC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	6.5 hours
Replacement Battery Cartridge	RBC94-2U
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 79V and overvoltages to 147V
Overvoltage correction	Input voltages between 128 and 147V AC are reduced by 12%
Direct pass through	Input voltages between 105 and 127V AC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 95 and 104V AC are boosted by 12%
Severe brownout correction	Input voltages between 79 and 94V AC are boosted by 24%
LEDS ALARMS & SWITCHES	
Front panel LEDs	5 front panel LEDs â Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LED, red BATTERY WARNING LED
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	72
Shipping weight (kg)	32.7
Shipping Dimensions (HWD/in)	9 x 23.5 x 20
Shipping Dimensions (HWD/cm)	22.9 x 59.7 x 50.8
Unit weight (lbs)	64
Unit weight (kg)	29.1
Unit Dimensions (HWD/in)	3.5 x 17.5 x 19
Unit Dimensions (HWD/cm)	8.89 x 44.5 x 48.3
Material of construction	Steel

Form factors supported	Rack (2U)
Cooling method	Built-in cooling fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit 0 to +40 degrees Celsius
Line mode BTU/hr. (Max.)	327.4 / BTU / hr.
COMMUNICATIONS	
Network monitoring port	Includes 4 built-in monitoring ports, 2-USB & 2-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 4 cables, 2-USB & 2-DB9
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	79V (resets to line power as voltage increases to 83V)
High voltage transfer to battery power	147V (resets to line power as voltage decreases to 144V)
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
TVSS grounding	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive gray rackmount housing, optional use 2U black front bezel included to enable black color appearance
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP48V24-2U (limit 1) and BP48V60RT3U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite

Related Items

Audio Cables		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]

Extended Warranties		
WEXT3-2200-3000	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	Qty: [optional]
WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	Qty: [optional]

External Battery Packs		
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	Qty: [optional]
BP48V60RT-3U	BP48V60RT3U - External Battery Packs for UPS System	Qty: [optional]

Power Distribution		
PS7224-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3541.

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